



Sense Primer (PA1)

subgroup A (RAV-I) 2F 65
subgroup E (RAV-0) 7Q 10Q 6F 207

CT	A	C	A	G	C	T	G	T	T	A	G	G	T	T	C	C	C	A	G	T	C	T	C	C	C	T	A	A	C	A	T	T	A	C	T	A	40			
	A	C	A	G	C	T	G	T	T	A	G	G	T	T	C	C	C	A	G	T	T	T	T	C	C	C	T	C	A	C	A	T	T	A	C	T	A	37		
	T	A	C	A	G	C	T	G	T	T	A	G	G	T	T	C	C	C	A	G	T	C	T	C	T	C	C	T	A	A	C	A	T	T	A	C	T	A	39	
	CT	A	C	A	G	C	T	G	T	T	A	G	G	T	T	C	C	C	A	G	T	C	T	C	T	C	C	T	A	A	C	A	T	T	A	C	T	A	40	
		C	A	G	C	T	G	T	T	A	G	G	T	T	C	C	C	A	G	T	T	T	C	T	C	C	C	T	A	A	C	A	T	T	A	C	T	A	37	
	CT	A	C	A	G	C	T	G	T	T	A	G	G	T	T	C	C	C	A	G	T	C	T	C	T	C	C	C	T	A	A	C	A	T	T	A	C	T	A	40
		C	A	G	C	T	G	T	T	A	G	G	T	T	C	C	C	A	G	T	C	T	C	T	C	C	C	T	A	A	C	A	T	T	A	C	T	A	37	
			G	C	T	G	T	T	A	G	G	T	T	C	C	C	A	G	T	C	T	C	T	C	C	C	T	A	A	C	A	T	T	A	C	T	A	35		

Hypervariable Region I

subgroup A (RAV-I) 2F 65
subgroup E (RAV-0) 7Q 10Q 6F 207

41	A	T	A	T	T	A	C	T	C	A	G	A	T	C	T	C	C	G	G	T	G	T	A	A	C	C	G	G	G	G	A	T	G	C	G	T	A	G	G	80	
38	A	T	A	T	T	A	C	T	C	A	A	A	T	T	T	C	T	G	G	T	G	T	A	A	C	C	G	G	A	G	G	A	T	G	C	G	T	A	G	G	77
40	A	C	A	T	T	A	C	T	C	A	A	A	T	T	T	C	T	G	G	T	G	T	A	A	C	C	G	G	A	G	G	A	T	G	C	G	T	A	G	G	78
41	A	T	A	T	T	A	C	T	C	A	G	A	T	T	T	C	T	G	G	T	G	T	A	A	C	C	G	G	G	G	A	T	G	C	G	T	A	G	G	80	
38	A	T	A	T	T	A	C	T	C	A	G	A	T	T	T	C	T	G	G	T	G	T	A	A	C	T	G	G	G	G	A	T	G	C	G	T	A	G	G	77	
41	A	T	A	T	T	A	C	T	C	A	G	A	T	T	T	C	T	G	G	T	G	T	A	A	C	C	G	G	G	G	A	T	G	C	G	T	A	G	G	80	
38	A	T	A	T	T	A	C	T	C	A	G	A	T	T	T	C	T	G	G	T	G	T	A	A	C	T	G	G	G	G	A	T	G	C	G	T	A	G	G	77	
36	A	T	A	T	T	A	C	T	C	A	G	A	T	T	T	C	T	G	G	T	G	T	A	A	C	C	G	G	G	G	A	T	G	C	G	T	A	G	G	75	

subgroup A (RAV-I) 2F 65
subgroup E (RAV-0) 7Q 10Q 6F 207

81	C	T	T	C	A	G	G	C	C	A	A	A	A	G	G	G	G	T	T	C	C	T	T	G	-	-	-	G	T	A	T	C	T	G	G	G	T	T	G	116
78	C	T	T	T	A	G	A	C	C	A	G	G	A	G	G	G	A	T	C	C	C	C	T	G	-	-	-	G	T	A	T	A	T	A	G	G	A	T	G	113
79	C	T	T	T	A	G	A	C	C	A	G	G	A	G	G	G	A	T	C	C	C	C	T	G	-	-	-	G	T	A	T	A	T	A	G	G	A	T	G	114
81	C	T	T	C	G	C	C	C	C	A	C	A	C	T	C	C	A	A	T	C	C	A	A	G	T	G	G	T	G	T	C	T	A	C	G	G	G	T	G	120
78	C	T	T	C	A	C	C	C	C	A	C	A	C	T	C	C	A	A	T	C	C	A	A	G	T	G	G	T	G	T	T	T	A	C	G	G	G	T	G	117
81	C	T	T	C	G	C	C	C	C	A	C	A	C	T	C	C	A	A	T	C	C	A	A	G	T	G	G	T	G	T	T	T	A	C	G	G	G	T	G	120
78	C	T	T	C	A	C	C	C	C	A	C	A	C	T	C	C	A	A	T	C	C	A	A	G	T	G	G	T	G	T	T	T	A	C	G	G	G	T	G	117
76	C	T	T	C	A	C	C	C	C	A	C	A	C	T	C	C	A	A	T	C	C	A	A	G	T	G	G	T	G	T	C	T	A	C	G	G	G	T	G	115

subgroup A (RAV-I) 2F 65
subgroup E (RAV-0) 7Q 10Q 6F 207

117	G	T	C	T	-	-	A	G	A	C	A	G	G	A	-	-	-	-	-	-	A	G	C	C	A	C	G	C	G	G	T	T	T	C	T	C	C	T	T	147
114	G	A	C	T	-	-	A	G	A	C	A	G	G	A	-	-	-	-	-	-	A	G	C	C	A	C	A	C	G	G	T	T	C	C	T	C	C	T	T	144
115	G	A	C	T	-	-	A	G	A	C	A	G	G	A	-	-	-	-	-	-	A	G	C	C	A	C	A	C	G	G	T	T	C	C	T	C	C	T	T	145
121	G	G	C	C	G	G	A	G	A	C	A	G	G	T	T	A	C	A	C	A	C	A	A	C	T	T	C	T	T	G	A	T	C	G	C	C	C	C	G	160
118	G	A	C	C	G	G	A	G	A	C	A	G	G	T	T	A	C	A	C	A	C	A	A	C	T	T	C	T	T	G	A	T	C	G	C	C	C	C	G	157
121	G	G	C	C	G	G	A	G	A	C	A	G	G	T	T	A	C	A	C	A	C	A	A	C	T	T	C	T	T	G	A	T	C	G	C	C	C	C	G	160
118	G	G	C	C	G	G	A	G	A	C	A	G	G	T	T	A	C	A	C	A	C	A	A	C	C	T	C	T	T	G	A	T	C	G	C	C	C	C	G	157
116	G	G	C	C	G	G	A	G	A	C	A	G	G	T	T	A	C	A	C	A	C	A	A	C	T	T	C	T	T	G	A	T	C	G	C	C	C	C	G	155

subgroup A (RAV-I) 2F 65
subgroup E (RAV-0) 7Q 10Q 6F 207

148	A	G	A	-	C	G	C	C	C	C	T	C	T	T	T	C	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176		
145	A	G	A	-	C	A	A	T	C	C	T	C	C	T	T	T	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	173		
146	A	A	A	-	C	A	A	T	C	C	T	C	C	T	T	T	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	174		
161	G	G	G	T	C	A	A	T	C	C	T	T	T	C	T	T	T	A	A	C	A	G	C	G	C	T	T	C	T	A	A	C	T	C	C	A	C	G	G	200
158	G	G	G	T	C	A	A	T	C	C	T	T	T	C	T	T	T	A	A	C	A	G	C	G	C	T	T	C	T	A	A	C	T	C	C	A	C	G	G	197
161	G	G	G	T	C	A	A	T	C	C	T	T	T	C	T	T	T	A	A	C	A	G	C	G	C	T	T	C	T	A	A	C	T	C	C	A	C	G	G	200
158	G	G	G	T	C	A	A	T	C	C	T	T	T	C	T	T	T	A	A	C	A	G	C	G	C	T	T	C	T	A	A	C	T	C	C	A	C	G	G	197
156	G	G	G	T	C	A	A	T	C	C	T	T	T	C	T	T	T	A	A	C	A	G	C	G	C	T	T	C	T	A	A	C	T	C	C	A	C	G	G	195

Antisense Primer (PA2)

subgroup A (RAV-I) 2F 65
subgroup E (RAV-0) 7Q 10Q 6F 207

177	A	C	C	G	T	T	T	A	C	A	G	T	G	G	T	G	A	C	A	G	C	G	G	A	T	A	G	G	C	205 (SEQ ID NO. 1)
174	A	C	C	A	T	T	T	A	C	G	G	T	G	G	T	G	A	C	A	G	C	G	G	A	T	A	G	G	C	202 (SEQ ID NO. 9)
175	A	C	C	A	T	T	T	A	C	G	G	T	G	G	T	G	A	C	A	G	C	G	G	A	T	A	G	G	C	203 (SEQ ID NO. 11)
201	A	C	C	G	T	T	-	A	C	G	G	T	G	G	T	G	A	C	A	G	C	G	G	A	T	A	G	G	C	228 (SEQ ID NO. 5)
198	A	C	C	G	T	T	T	A	C	G	G	T	G	G	T	G	A	C	A	G	C	G	G	A	T	A	G	G	C	225 (SEQ ID NO. 11)
201	A	C	C	G	T	T	T	A	C	G	G	T	G	G	T	G	A	C	A	G	C	G	G	A	T	A	G	G	C	229 (SEQ ID NO. 12)
198	A	C	C	G	T	T	T	A	C	G	G	T	G	G	T	G	A	C	A	G	C	G	G	A	T	A	G	G	C	226 (SEQ ID NO. 10)
196	A	C	C	G	T	T	T	A	C	G	G	T	G	G	T	G	A	C	A	G	C	G	G	A	T	A	G	G	C	224 (SEQ ID NO. 13)

Figure 3